

**To:** Deschambault, Lynda[Deschambault.Lynda@epa.gov]  
**Cc:** Brown, Anthony R (RM)[anthony.brown@bp.com]; Greg Reller[gr@burlesonconsulting.com]; Koger, Cory S SPK[Cory.S.Koger@usace.army.mil]; Delaney, Douglas SPK[Douglas.J.Delaney@usace.army.mil]; Carey, Douglas@Waterboards[douglas.carey@waterboards.ca.gov]; Stetler, Chris@waterboards.ca.gov[Chris.Stetler@waterboards.ca.gov]; Zentner, Taylor@Waterboards[taylor.zentner@waterboards.ca.gov]; Cohen, Adam[Adam.Cohen@dgslaw.com]; Sandy Riese[sriese@ensci-inc.com]; Dave McCarthy[dave.mccarthy@copperenv.com]; Jones, Britt[Britt.Jones@amecfw.com]; Jefferson, Jill[Jill.Jefferson@amecfw.com]; phil thompson[philthompson705@gmail.com]; Parrish, Kent[Kent.Parrish@amecfw.com]; jbacher@broadbentinc.com[jbacher@broadbentinc.com]; andy.slavik@copperenv.com[andy.slavik@copperenv.com]; Abby Cazier[abby.cazier@copperenv.com]; Lombardi, Lynda[Lynda.Lombardi@amecfw.com]; Floyd, Larry W.[Larry.Floyd@amecfw.com]; Grant Ohland - (gohland@ohlandhydrogeo.com)[gohland@ohlandhydrogeo.com]; Riley, Gary[riley.gary@epa.gov]; tavassoli, lily[tavassoli.lily@epa.gov]  
**From:** Lombardi, Marc  
**Sent:** Mon 5/8/2017 7:52:41 PM  
**Subject:** Leviathan Mine - RI/FS Three Week Field Schedule Projection 5-8-17 to 5-26-17

Lynda,

The following is Atlantic Richfield's updated three-week schedule projection for Remedial Investigation/Feasibility Study (RI/FS) activities at the Leviathan Mine.

#### **Week of 5/8/17**

- Monday – no site work due to unsafe road conditions.
- Tuesday through Friday – Continue collection of surface water samples and flow measurement in the On-Property Study Areas.
- Tuesday through Friday – Continue snow melt sample collection (pending safe access to each of the station locations).
- Tuesday through Friday – Collect water samples from the Upper Ponds (Ponds 1, 2N and 2S) in preparation for the Interim Combined Treatment Field Demonstration (this activity may be delayed because of health and safety considerations due to the slope movement above/east of Pond 4).
- Tuesday and Wednesday – Collect manual water level measurements from monitoring wells and piezometers without transducers.
- Wednesday through Friday – Download data from transducers installed in monitoring wells and piezometers.

- Tuesday and Wednesday – Perform bi-weekly maintenance at the On-Property storm water stations.
- Tuesday through Friday – Begin revegetation performance monitoring at each of the three revegetation plots (a portion of this activity may be delayed because of health and safety considerations due to the slope movement above/east of Pond 4).
- Tuesday through Friday – Scout access trails to various sampling/monitoring locations and perform trail maintenance and repairs as needed.

### **Week of 5/15/17**

- Thursday through Friday – Survey MW-48 and the borehole for LOC-36 (tentative, pending subcontractor availability).
- Monday through Friday – Measure field parameters and flow from various seeps observed around the On-Property Study Area.
- Monday and Tuesday – Collect surface water samples from the five AD sources.
- Wednesday through Thursday – Download data from transducers installed in drive point piezometers and surface water monitoring locations for the surface water/groundwater interaction investigation in Lower Leviathan Creek.
- Monday through Friday – Continue revegetation performance monitoring at each of the three revegetation plots.
- Tuesday through Friday – Collect groundwater samples from the Reference and Perimeter monitoring wells installed in 2016.
- Tuesday through Wednesday – Perform geophysical surveys (seismic refraction and electrical resistivity profiling) for the surface water/groundwater interaction investigation in Upper Leviathan Creek (tentative pending subcontractor availability, and health and safety considerations due to the slope movement above/east of Pond 4).

### **Week of 5/22/17**

- Monday through Friday – Perform hydraulic testing of monitoring wells.
- Monday through Friday – Begin the spring groundwater monitoring event.

- Monday through Friday – Collect hydrocarbon soil samples for the Isbell Camp Hydrocarbon Investigation (tentative pending U.S. EPA approval of the On-Property FRI Work Plan Amendment No. 12, Supplement No 1 – TSAP for Camp Isbell Hydrocarbon Investigation).
- Tuesday through Friday – Install drive point piezometers for the surface water/groundwater interaction investigation in Upper Leviathan Creek (tentative pending the results of the geophysical surveys health and safety considerations due to the slope movement above/east of Pond 4).
- Tuesday and Wednesday – Perform bi-weekly maintenance at the On-Property storm water stations.

Please note: this schedule is subject to change based on the actual field implementation time, weather conditions, and contractor availability that may cause delays.

Should you have any questions or comments please contact Tony Brown at (657) 529-4537 or [anthony.brown@bp.com](mailto:anthony.brown@bp.com).

Thanks,

Marc

**Marc R. Lombardi, CEM, PG**

Principal Geologist / Office Manager, Environment & Infrastructure Americas, Amec Foster Wheeler

10940 White Rock Road, Suite 190, Rancho Cordova, CA 95670, USA

D (916) 853-8903 M (916) 302-6326

[marc.lombardi@amecfw.com](mailto:marc.lombardi@amecfw.com) amecfw.com



This message is the property of Amec Foster Wheeler plc and/or its subsidiaries and/or affiliates and is intended only for the named recipient(s). Its contents (including any attachments) may be confidential, legally privileged or otherwise protected from disclosure by law. Unauthorised use, copying, distribution or disclosure of any of it may be unlawful and is strictly prohibited. We assume no responsibility to persons other than the intended named recipient(s) and do not accept liability for any errors or omissions which are a result of email transmission. If you have received this message in error, please notify us immediately by reply email to the sender and confirm that the original message and any attachments and copies have been destroyed and deleted from your system. If you do not wish to receive future unsolicited commercial electronic messages from us, **please forward this email to: [unsubscribe@amecfw.com](mailto:unsubscribe@amecfw.com) and include "Unsubscribe" in the subject line.** If applicable, you will continue to receive invoices, project communications and similar factual, non-commercial electronic communications.

Please click <http://amecfw.com/email-disclaimer> for notices and company information in relation to emails originating in the UK, Italy or France.